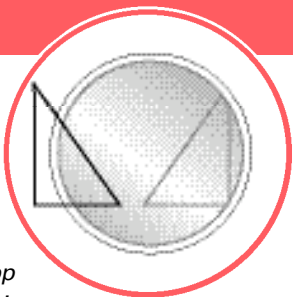


Reflecting Objects

The Geoboard App allows you to rotate, reflect, and translate the objects you've created electronically. This activity takes you through the process of reflecting a scalene triangle.



Before you begin, you will need the Geoboard App loaded on your TI-73 Explorer™. Read the instructions and download the App from education.ti.com/apps

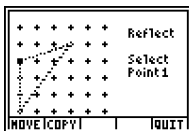
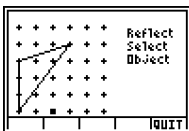
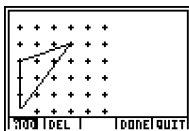
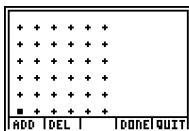
Engage

1. Turn on your TI-73 Explorer and press **[APPS]**
2. Scroll down to find GEOBOARD and press **[ENTER]**
3. Press any key to go through the beginning screen
4. Draw a scalene triangle using a 6 x 6 board

Explore

1. Press **<DRAW>** (**[Y=]**) to begin drawing
2. Press **<ADD>** (**[Y=]**) to start adding line segments
3. Use the arrow keys to move along the peg board
4. Press **<ADD>** (**[Y=]**) each time you are ready to finish one line segment and begin another

Continued on back



Reflecting Objects



Extend

1. Press <QUIT> (GRAPH) to view the Transformation menu
2. Press <TRFM> (WINDOW) and select **2** for 2: Reflect
3. The board reappears with the Reflect prompt
4. Use the arrow keys to indicate the object of reflection and press **ENTER**
5. Place the cursor on one of two points (anywhere on the peg board) that will form either a vertical or horizontal line and press **ENTER**
6. Move the cursor to the second point (make sure you have created a vertical or horizontal line) and press **ENTER**
7. The temporary copy will be reflected across this line
8. Press <MOVE> (Y=) to replace the original object with the new, or <COPY> (WINDOW) to keep both objects
9. Press <OPTN> (GRAPH). Then select **1** 1:MainMenu and follow the screens to exit the App

Note: If you draw an object that is too large, it cannot be reflected. If you choose a line of reflection that causes some of the triangle to go off the board, it cannot be reflected.

